

US 8,007,999 B2

Page 2

U.S. PATENT DOCUMENTS

7,201,872	B2	4/2007	Meron
7,635,594	B2	12/2009	Holmes et al.
7,636,667	B2	12/2009	Brown
2001/0019831	A1	9/2001	Phillips et al.
2001/0051340	A1	12/2001	Singh et al.
2001/0051766	A1	12/2001	Gazdzinski
2001/0053535	A1	12/2001	Bashir et al.
2002/0001854	A1	1/2002	Lee
2002/0034757	A1	3/2002	Cubicciotti
2002/0055127	A1	5/2002	Gindilis
2002/0072733	A1	6/2002	Flaherty
2002/0092770	A1	7/2002	Hedberg et al.
2002/0114739	A1	8/2002	Weigl et al.
2002/0132226	A1	9/2002	Nair et al.
2003/0049833	A1	3/2003	Chen et al.
2003/0061687	A1	4/2003	Hansen et al.
2003/0069560	A1	4/2003	Adamis et al.
2003/0097092	A1	5/2003	Flaherty
2003/0117491	A1	6/2003	Avni et al.
2003/0143551	A1	7/2003	Cattell
2003/0148362	A1	8/2003	Luka
2003/0153900	A1	8/2003	Aceti et al.
2003/0167000	A1	9/2003	Mullick et al.
2003/0191430	A1	10/2003	D'Andrea et al.
2003/0208133	A1	11/2003	Mault
2003/0210607	A1	11/2003	Gilbert et al.
2003/0214057	A1	11/2003	Huang
2004/0005582	A1	1/2004	Shipwash
2004/0033553	A1	2/2004	Littarru et al.
2004/0053290	A1*	3/2004	Terbrueggen et al. 435/6
2004/0086872	A1	5/2004	Childers et al.
2004/0096959	A1	5/2004	Stiene et al.
2004/0121305	A1	6/2004	Wiegand et al.
2004/0122486	A1	6/2004	Stahmann et al.
2004/0213825	A1	10/2004	Levy
2004/0260204	A1	12/2004	Boecker et al.
2005/0009101	A1	1/2005	Blackburn
2005/0019836	A1	1/2005	Vogel et al.
2005/0054078	A1	3/2005	Miller et al.
2005/0064529	A1	3/2005	Kwon
2005/0100937	A1*	5/2005	Holmes 435/6
2005/0106713	A1	5/2005	Phan et al.
2005/0130292	A1	6/2005	Ahn et al.
2005/0130321	A1	6/2005	Nicholson et al.
2005/0136548	A1	6/2005	McDevitt et al.
2005/0137481	A1	6/2005	Sheard et al.
2005/0147559	A1	7/2005	Von Alten
2005/0209565	A1	9/2005	Yuzhakov et al.
2005/0221281	A1	10/2005	Ho
2005/0249633	A1	11/2005	Blatt et al.
2005/0255001	A1	11/2005	Padmanabhan et al.
2005/0255600	A1	11/2005	Padmanabhan et al.
2006/0019319	A1	1/2006	Billadeau et al.
2006/0029924	A1	2/2006	Brewster et al.
2006/0062852	A1	3/2006	Homes
2006/0106316	A1	5/2006	Palti
2006/0177873	A1	8/2006	Dowd et al.
2006/0182738	A1	8/2006	Holmes
2006/0211933	A1	9/2006	Zimmermann et al.
2006/0257941	A1*	11/2006	McDevitt et al. 435/7.2
2006/0264779	A1	11/2006	Kemp et al.
2006/0264780	A1	11/2006	Holmes et al.
2006/0264781	A1	11/2006	Gibbons et al.
2006/0264782	A1	11/2006	Holmes et al.
2006/0264783	A1	11/2006	Holmes et al.
2007/0166195	A1	7/2007	Padmanabhan et al.
2007/0224084	A1	9/2007	Holmes et al.
2008/0009766	A1	1/2008	Holmes et al.
2008/0113391	A1	5/2008	Gibbons et al.
2010/0074799	A1	3/2010	Kemp et al.
2010/0081144	A1	4/2010	Holmes et al.

FOREIGN PATENT DOCUMENTS

WO	WO 94/01165	A1	1/1994
WO	WO 01/35928	A1	5/2001
WO	WO 03/066128	A2	8/2003
WO	WO 03/066128	A3	12/2003

WO	WO 2005/031355	*	4/2005
WO	WO 2005/121367	*	12/2005
WO	WO 2007/120904	A2	10/2007

OTHER PUBLICATIONS

- BD Biosciences, Directigen FluA&B Assay Manual, Oct. 11, 2006, pp. 1-11.*
- Pescovitz, Lab Notes: Research from the College of Engineering, University of California, Berkeley: Sniffing Out Airborne Diseases, 2004, Accessed online at <<<http://www.coe.berkeley.edu/labnotes/0904/pisano.html>>> on Jan. 28, 2011.*
- Lupiani et al., Improved Diagnostic Tests for Avian Influenza Surveillance, 2005, Proceedings of the Institute of Food Technologists' First Annual Food Protection and Defense Research Conference.*
- Kilbourne et al., Independent and disparate evolution in nature of influenza A virus hemagglutinin and neuraminidase glycoproteins, 1990, PNAS, vol. 87, pp. 786-790.*
- Beier, et al. Versatile derivatization of solid support media for covalent bonding on DNA-microchips. Nucleic Acids Res. 1999; 27:1970-1-977.
- Harlow, et al. Antibodies: A Laboratory Manual. Cold Spring Harbor Laboratory. New York. 1988. (Cover pages and table of contents only).
- Jaeger. Introduction to Microelectronic fabrication. Addison-Wesley Publishing Co. Reading Mass. 1988. (Cover pages and table of Contents only).
- Mukerjee, et al. Microneedle array for transdermal biological fluid extraction and in situ analysis. Sensors and Actuators A. 2004; 114:267-275.
- Rai-Choudhury, ed., Handbook of Microlithography, Micromachining & Microfabrication. SPIE Optical Engineering Press. Bellingham, Wash. 1997. (Cover pages and table of contents only).
- Runyan, et al. Semiconductor integrated circuit processing technology. Addison-Wesley Publishing Co., Reading Mass. 1990. (Cover pages and table of contents only).
- Sambrook, et al. Molecular Cloning: A Laboratory Manual. 2nd Ed. Cold Spring Harbor Laboratory Press. New York. 1989. (Cover pages and table of contents only).
- Spira, et al. The identification of monoclonal class switch variants by sib selection and an ELISA assay. J Immunol Methods. 1984;74(2):307-15.
- Steplewski, et al. Isolation and characterization of anti-monosialoganglioside monoclonal antibody 19-9 class-switch variants. Proc Natl Acad Sci U S A. 1985; 82(24):8653-7.
- Bawendi, et al. The quantum-mechanics of larger semiconductor clusters. Annu. Rev. Phys. Chem. 1990; 41:477-496.
- Bhatia, et al. Use of thiol-terminal silanes and heterobifunctional crosslinkers for immobilization of antibodies on silica surfaces. Anal Biochem. 1989; 178(2):408-13.
- Bruchez, et al. Semiconductor nanocrystals as fluorescent biological labels. Science. 1998; 281(5385):2013-6.
- Celebre, et al. A comparative study of efficiencies of fibre optic and prism TIRF sensors. Meas. Sci. Technol. 1992; 3:1166-1173.
- Chan. Quantum dot bioconjugates for ultrasensitive nonisotopic detection. Science. 1998; 281(5385):2016-8.
- Chang, et al. Micromachining & Microfabrication. SPIE Optical Engineering Press. Bellingham, Wash. 1997. (Cover pages and table of contents only).
- Charles, et al. Synthesis of a fluorescent analog of polychlorinated biphenyls for use in a continuous flow immunosensor assay. Bioconjug Chem. 1995; 6(6):691-4.
- Duffy, et al. Rapid Prototyping of Microfluidic Systems in Poly(dimethylsiloxane). Analytical Chemistry. 1998; 70(23):4974-4984.
- Harrison's Principles of Internal Medicine, Part 2 Cardinal Manifestations of Disease, Ch. 60 (12th ed. 1991; pp. 338-343.).
- Preininger, et al. Polymer-coated optical fibres for application in a direct evanescent wave immunoassay. Analytica Chimica Acta, 2000; 403, 67-76.
- Sapsford, et al. Demonstration of four immunoassay formats using the array biosensor. Anal Chem. 2002; 74(5):1061-8.